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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Rita L. Faunce

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KATTEN MUCHIN ROSENMAN LLP
(C/O PATENT ADMINISTRATOR)
2900 K STREET NW, SUITE 200
WASHINGTON, DC 20007-5118

EXAMINER

BERHANU, SAMUEL

ART UNIT

PAPER NUMBER

2858

MAIL DATE

DELIVERY MODE

08/17/2010

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

DETAILED ACTION

Claim Objections

1. Claims 6 and 8-9 are objected to because of the following informalities:
2. Claim 6 is depend on canceled claim, claim 5. Claim 6 should not be dependent upon a canceled claim. Appropriate correction is required.

Allowable Subject Matter

1. Claims 1-3 allowed.
2. Claims 6 and 8-9 would be allowable if rewritten to overcome the objections set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.
3. The following is an examiner's statement of reasons for allowance:

For claim 1: primarily, the prior art of record does not disclose or suggest in the claimed combination: a current sensing circuit for sensing charging current to said lithium ion battery during a constant current mode of operation and a constant voltage mode of operation and providing a first charge indication signal based upon comparing the magnitude of said charging current with a first predetermined value and generating a first charge indication signal solely as a function of said charging current when said charging current is less than or equal to said first predetermined value, wherein said first predetermined value is representative of a first predetermined charge state representative of an initial state of charge of said lithium ion battery; said current sensing circuit providing a second charge indication signal based upon comparing the magnitude of said charging current with a second predetermined value

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and generating a second charge indication signal solely as a function of said charging current when said charging current is less than or equal to said second predetermined value, said current sensing circuit providing a third charge indication signal based upon comparing the magnitude of said charging current with a third predetermined value and generating a third charge indication signal in said constant voltage state solely as a function of said charging current when said charging current is less than or equal to said third predetermined value, and

a first indicator responsive to said first charge indication signal for providing an indication when said lithium ion battery is at a near full an initial state of charge;

a second indicator responsive to said second charge indication signal for providing an indication when said lithium ion battery is at a transitional state of charge; and

a third indicator responsive to said third charge indication signal for providing an indication when said lithium ion battery is at a near full state of charge

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. This application is in condition for allowance except for the following formal matters (please see paragraphs 1-2 above):

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Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 25 USPQ 74, 453 O.G. 213, (Comm'r Pat. 1935).

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SAMUEL BERHANU whose telephone number is (571)272-8430. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Assouad can be reached on 571-272-2210. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Edward Tso/
Primary Examiner, Art Unit 2858

/S. B./

1. Examiner, Art Unit 2858